



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. UPN-4566/P-3041	Application No. 10/538,361
		Applicant Charles L. Epstein, et al.	
		Filing Date October 20, 2005	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
DV	1	Ablowitz, M.J., et al., "The inverse scattering transform-fourier analysis for nonlinear problems," <u>Studies in Applied Math</u> , 1974, 53, 249-315	
	2	Beals, R., et al., "Scattering and inverse scattering for first order systems," <i>CPAM</i> , 1984, 37, 39-90	
	3	Beals, R., et al., "Scattering and inverse scattering for first order systems: II. Inverse Problems," <i>CPAM</i> , 1987, 3, 577-593	
	4	Carlson, J., "Exact solutions for selective-excitation pulses," <i>J. of Mag. Res.</i> , 1991, 94, 376-386	
	5	Carlson, J., "Exact solutions for selective-excitation pulses. II. Excitation pulses with phase control," <i>J. of Mag. Res.</i> , 1992, 97, 65-78	
	6	Faddeev, L., et al., <u>Hamiltonian Methods in the Theory of Solitons</u> , Springer Verlag, Berlin, Heidelberg, NY, 1987, 1-185	
	7	Grünbaum, F.A., et al., "An exploration of the invertibility of the Bloch transform," <i>Inverse Problems</i> , 1986, 2, 75-81	
	8	Le Roux, P., "Exact synthesis of radio frequency waveforms," <i>Annual Meeting of SMRM</i> , 1988, page 1049	
	9	Moses, H.E., et al., "Eigenvalues and eigenfunctions associated with Gel'fand-Levitan equation," <i>J. Math. Phys.</i> , 1984, 25(1), 108-112	
↓	10	Panych, L.P., "Theoretical comparison of fourier and wavelet encoding in magnetic resonance imaging," <i>IEEE Trans. On Med. Imag.</i> , 1996, 15(2), 141-153	
EXAMINER		/Dixomara Vargas/	DATE CONSIDERED 02/20/2007





Sheet 2 of 3

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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
DV	11	Pauly, J., et al., "Parameter relations for the Shinnar-Le Rous selective excitation pulse design algorithm," <i>IEEE Trans. On Med. Imaging</i> , 1991, 10, 53-65	
	12	Rourke, D.E., et al., "The inverse scattering transform and its use in the exact inversion of the Bloch equation for noninteracting spins," <i>J. of Mag. Res.</i> , 1992, 99, 118-138	
	13	Shinnar, et al., "Inversion of the Bloch equation," <i>J. of Chem. Phys.</i> , 1993, 98, 6121-6128	
	14	Shinnar, M., et al., "The synthesis of pulse sequences yielding arbitrary magnetization vectors," <i>Mag. Res. In Med.</i> , 1989, 12, 74-80	
	15	Shinnar, et al., "The application of spinors to pulse synthesis and analysis," <i>Mag. Res. In Med.</i> , 1989, 12, 93-97	
	16	Shinnar, M., et al., "The synthesis of soft pulses with a specified frequency response," <i>Mag. Res. In Med.</i> , 1989, 12, 88-92	
	17	Widom, H., "The Fredholm Theory," <i>Lectures on Integral Equations</i> , Van Nostrand, Reinhold Co., NY, Toronto, Ont., London, 1969, Chapter III, 35-44	
	18	Zakharov, V., et al., "Korteweg-de Vries equation, a completely integrable Hamiltonian system," <i>Funk. Anal. Pröz.</i> , 1971, 5(4), 18-27 (translated pages 280-287)	
	19	Zakharov, V., et al., "On the complete integrability of the non-linear Schrödinger equation," <i>Teor. Mat. Fiz.</i> , 1974, 19(3), 332-343 (translated pages 551-559)	
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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
DV	20	5,153,515	10/06/92	Leigh, et al.	324	307
↓	21	5,449,376	09/12/95	Callahan	607	2
↓	22	5,572,126	11/05/96	Shinnar	324	314
↓	23	5,821,752	10/13/98	LeRoux	324	314

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

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**DATE CONSIDERED** 02/20/2007